

1756

RECEIVED  
CENTRAL FAX CENTER

AUG 19 2004



## Patent Technology Center 1700

### Facsimile Transmission

To:           Name:  
              Company:  
              Fax Number:               7038729306  
              Voice Phone:

OFFICIAL

From:       Name:  
              Official Fax Number:       (703) 872-9310  
              Official After Final Fax Number: (703) 872-9311  
              Voice Phone:

37 C.F.R. 1.6 sets forth the types of correspondence that can be communicated to the Patent and Trademark Office via facsimile transmissions. Applicants are advised to use the certificate of facsimile transmission procedures when submitting a reply to a non-final or final Office action by facsimile (37 CFR 1.8(a)).

Fax Notes:

---

---

Date and time of transmission: Thursday, August 19, 2004 4:38:50 PM  
Number of pages including this cover sheet: 17

---



FOLEY &amp; LARDNER LLP

ATTORNEYS AT LAW

VEREX PLAZA  
150 EAST GILMAN STREET  
MADISON, WI 53703-1481  
POST OFFICE BOX 1487  
MADISON, WI 53701-1497  
TELEPHONE: 608.257.5035  
FACSIMILE: 608.258.4258

WWW.FOLEY.COM

RECEIVED  
CENTRAL FAX CENTER

AUG 19 2004

OFFICIAL  
FACSIMILE TRANSMISSIONTotal # of Pages 16 (including this page)

TO:	PHONE #:	FAX #:
Examiner Nicole M. Barreca United States Patent and Trademark Office	(571) 272-1379	(571) 273-1379

From : Paul S. Hunter

Email Address : phunter@foley.com

Sender's Direct Dial : (608) 258-4292

Date : August 19, 2004

Client/Matter No : 039153-0447

User ID No : 1669

## MESSAGE:

Re: U.S.S.N. 10/016,439

Dear Examiner Barreca:

Per our telephone conversation, attached for filing please find a copy of the following documents:

- Copy of Auto-Reply Facsimile Transmission dated 7/20/04 (1 page)
- Transmittal of Terminal Disclaimer (1 page)
- Terminal Disclaimer (13 pages)

If there are any problems with this transmission or if you have not received all of the pages, please call 608.258.4252.

Operator:

Time Sent:

Return Original To:  
Nancy L. Kimball

CONFIDENTIALITY NOTICE: THE INFORMATION CONTAINED IN THIS FACSIMILE MESSAGE IS INTENDED ONLY FOR THE PERSONAL AND CONFIDENTIAL USE OF THE DESIGNATED RECIPIENTS NAMED ABOVE. THIS MESSAGE MAY BE AN ATTORNEY-CLIENT COMMUNICATION, AND AS SUCH IS PRIVILEGED AND CONFIDENTIAL. IF THE READER OF THIS MESSAGE IS NOT THE INTENDED RECIPIENT OR ANY AGENT RESPONSIBLE FOR DELIVERING IT TO THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT YOU HAVE RECEIVED THIS DOCUMENT IN ERROR, AND THAT ANY REVIEW, DISSEMINATION, DISTRIBUTION OR COPYING OF THIS MESSAGE IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS COMMUNICATION IN ERROR, PLEASE NOTIFY US IMMEDIATELY BY TELEPHONE AND RETURN THE ORIGINAL MESSAGE TO US BY MAIL. THANK YOU.

USPTO 7/20/2004 5:21 PM PAGE 1/001 Fax Server  
 TO:Auto-reply fax to 608258 COMPANY:

## Auto-Reply Facsimile Transmission



TO: Fax Sender at 6082584258  
 Fax Information  
 Date Received: 7/20/2004 5:15:19 PM [Eastern Daylight Time]  
 Total Pages: 15 (including cover page)

**ADVISORY:** This is an automatically generated return receipt confirmation of the facsimile transmission received by the Office. Please check to make sure that the number of pages listed as received in Total Pages above matches what was intended to be sent. Applicants are advised to retain this receipt in the unlikely event that proof of this facsimile transmission is necessary. Applicants are also advised to use the certificate of facsimile transmission procedures set forth in 37 CFR 1.8(a) and (b), 37 CFR 1.6(f). Trademark Applicants, also see the Trademark Manual of Examining Procedure (TMEP) section 306 et seq.

Received  
 Cover  
 Page  
 =====>

87-28-04 16:38 FROM-Foley & Lardner LLP 6082584258		T-034 P01/15 D-018	
<b>FOLEY</b>		FOLEY & LARDNER LLP ATTORNEYS AT LAW VIKER PLAZA 135 EAST GRANT STREET MADISON, WI 53703-1987 POST OFFICE BOX 1487 MADISON, WI 53703-1487 TELEPHONE: 608.258.4258 FACSIMILE: 608.258.4258 WWW.FOLEY.COM	
<b>FACSIMILE TRANSMISSION</b>			
Total # of Pages <u>15</u> (including this page)			
TO:	PHONE #:	FAX #:	
Examiner Nicole M. Barrett United States Patent and Trademark Office	(571) 272-1378	(703) 872-9306	
From: Paul S. Hunter Email Address: phunter@foley.com Sender's Direct Dial: (608) 258-4292 Date: July 20, 2004 Client/Referral No: 039153-0447 User ID No: 1669			
<b>MESSAGE:</b>			
Re: U.S.S.N. 10016439			
Dear Examiner Barrett:			
Attached for filing please find a copy of the following documents:			
<ul style="list-style-type: none"> <li>• Transmittal of Terminal Disclaimer (1 page)</li> <li>• Terminal Disclaimer (13 pages)</li> </ul>			
If there are any problems with this transmission or if you have not received all of the pages, please call 608.258.4258.			
Operator:	Time Sent:	Return Original To:	
		Nancy L. Kimball	
<small>CONFIDENTIALITY NOTICE: THE INFORMATION CONTAINED IN THIS FACSIMILE MESSAGE IS INTENDED ONLY FOR THE PERSONS AND ORGANIZATIONS NAMED HEREIN. IF YOU ARE NOT A NAMED ADDRESSEE, YOU SHOULD NOT DISSEMINATE, REPRODUCE, OR ACT ON THE INFORMATION CONTAINED HEREIN. IF YOU ARE NOT A NAMED ADDRESSEE, YOU SHOULD NOT DISSEMINATE, REPRODUCE, OR ACT ON THE INFORMATION CONTAINED HEREIN. IF YOU ARE NOT A NAMED ADDRESSEE, YOU SHOULD NOT DISSEMINATE, REPRODUCE, OR ACT ON THE INFORMATION CONTAINED HEREIN. IF YOU ARE NOT A NAMED ADDRESSEE, YOU SHOULD NOT DISSEMINATE, REPRODUCE, OR ACT ON THE INFORMATION CONTAINED HEREIN.</small>			
003303947.1 Cover Page 1 of 1 FOLEY & LARDNER LLP PAGE 1/15 * RCVD AT 7/20/2004 5:15:19 PM [Eastern Daylight Time] * SVR:USPTO-EFXXF-01 * DNIS:8729306 * CSID:USPTO * DURATION (mm-ss):00-00			

**RECEIVED**

JUL 21 2004

FOLEY & LARDNER  
 MADISON, WI  
 IP DOCKETING

*Noted*  
*SP*

AUG 19 2004

OFFICIAL

Atty. Dkt. No. 039153-0447 (G1152)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Lukanc et al.

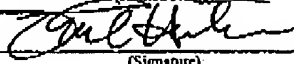
Title: METHOD OF EXTENDING THE  
AREAS OF CLEAR FILED  
PHASE SHIFT GENERATION

Appl. No.: 10/016,439

Filing Date: 12/11/2001

Examiner: Nichole M. Barreca

Art Unit: 1756

<p><b>CERTIFICATE OF FACSIMILE TRANSMISSION</b></p> <p>I hereby certify that this paper is being facsimile transmitted to the United States Patent and Trademark Office, Alexandria, Virginia on the date below.</p> <p>Paul S. Hunter (Printed Name)</p> <p> (Signature)</p> <p>July 20, 2004 (Date of Deposit)</p>
--

**TRANSMITTAL OF TERMINAL DISCLAIMER**

Commissioner for Patents  
P. O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

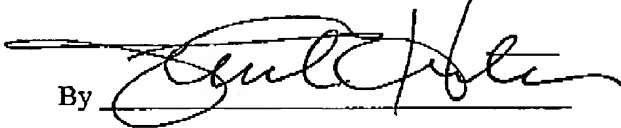
Applicants file herewith a Terminal Disclaimer with respect to the above--referenced patent application. The Commissioner is hereby authorized to charge any fees that may be required with respect to this Disclaimer to Deposit Account No. 50-2350.

Respectfully submitted,

Dated: July 20, 2004

FOLEY & LARDNER LLP  
Customer Number: 23524  
Telephone: (608) 258-4292  
Facsimile: (608) 258-4258

By

  
Paul S. Hunter  
Attorney for Applicants  
Registration No. 44,787

AUG 19 2004

OFFICIAL

Atty. Dkt. No. 039153-0447 (G1152)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Lukanc et al.

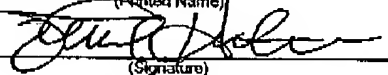
Title: METHOD OF EXTENDING THE  
AREAS OF CLEAR FIELD  
PHASE SHIFT GENERATION

Appl. No.: 10/016,439

Filing Date: 12/11/2001

Examiner: Nicole M. Barreca

Art Unit: 1756

<b>CERTIFICATE OF FACSIMILE TRANSMISSION</b> I hereby certify that this paper is being facsimile transmitted to the United States Patent and Trademark Office, Alexandria, Virginia on the date below.  Paul S. Hunter (Printed Name)  (Signature)  July 20, 2004 (Date of Deposit)
--

**TERMINAL DISCLAIMER**

Commissioner for Patents  
PO Box 1450  
Alexandria, Virginia 22313-1450

Sir:

Your Petitioner, Advanced Micro Devices, Inc., having its principal place of business at 1160 Kern Avenue, Sunnyvale, CA 94088 (hereinafter represents that it is the owner of the entire right, title, and interest in and to U.S. Patent Application Serial No. 10/016,439, filed 12/11/2001, by virtue of an Assignment filed and recorded on 12/11/2001, on Reel/Frame 012392/0298, in the United States Patent and Trademark Office, a copy of which is attached hereto as APPENDIX A. Further, your Petitioner represents that it is the owner of U.S. Patent No. 6,749,971, filed 12/11/01, by virtue of an Assignment filed and recorded on 12/11/01 on Reel/Frame 012389/0107, a copy of which is attached hereto as APPENDIX B.

Your Petitioner, Advanced Micro Devices, Inc., hereby disclaims the terminal part of the term of any patent granted on U.S. Patent Application 10/016,439 which would extend beyond the full statutory term, as shortened by any terminal disclaimer, of U.S. Patent No. 6,749,971, and hereby agrees that any patent so granted on U.S. Patent Application 10/016,439

Atty. Dkt. No. 039153-0447 (G1152)

shall be enforceable only for and during such period that the legal title to any patent granted on U.S. Patent No. 6,749,971, this agreement to run with any patent granted on U.S. Patent Application 10/016,439 and to be binding upon the grantee, its successors or assigns.

In making the above disclaimer, Petitioner does not disclaim any terminal part of any patent granted on U.S. Patent Application 10/016,439, prior to the full statutory term of U.S. Patent No. 6,749,971 as defined in 35 U.S.C. §§154-156 and 173, in the event that U.S. Patent No. 6,749,971, expires for failure to pay a maintenance fee, is held unenforceable or is found invalid in a final judgment by a court of competent jurisdiction, is statutorily disclaimed in whole or terminally disclaimed under 37 CFR §1.321(a), has all claims canceled by a reexamination certificate or as a result of an interference proceeding, or is otherwise not deemed to provide the rights conveyed by 35 USC §154, prior to the full statutory term of any patent granted on U.S. Patent Application 10/016,439 as defined in 35 USC §§154-156 and 173, except for the separation of legal title stated above. Further, Petitioner does not disclaim any terminal part of a patent granted on U.S. Patent Application 10/016,439 that would extend beyond the present termination of U.S. Patent No. 6,749,971, in the event that such present term is extended by virtue of compliance with the conditions for term extension of any present or future patent term extension provisions of the patent law, including but not limited to 35 U.S.C. §§155, 155A or 156, and without waiving Petitioner's right to extend the term of a patent granted on U.S. Patent Application 10/016,439 to the extent provided by law.

The undersigned, being the Attorney of Record for U.S. Patent Application 10/016,439, and duly authorized to act on behalf of Petitioner, certifies that he has reviewed the Assignments attached as APPENDICES A and B and to the best of his knowledge and belief, legal title to U.S. Patent Application 10/016,439 and U.S. Patent No. 6,749,971 rests with Petitioner, Advanced Micro Devices, Inc.. The undersigned declares that all statements made herein of their own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under

Atty. Dkt. No. 039153-0447 (G1152)

Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the above-identified application or any patent issuing therefrom.

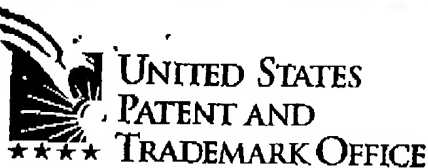
Respectfully submitted,

By

Paul S. Hunter  
Attorney for Applicants  
Registration No. 44,787

Dated: July 20, 2004

FOLEY & LARDNER LLP  
Customer Number: 23524  
Telephone: (608) 258-4292  
Facsimile: (608) 258-4258

31153/447  
PSH

FEBRUARY 14, 2002

PTAS

Under Secretary of Commerce For Intellectual Property and  
Director of the United States Patent and Trademark Office  
Washington, DC 20231  
www.uspto.gov

FOLEY & LARDNER  
PAUL S. HUNTER  
FIRST CENTER  
777 EAST WISCONSIN AVENUE  
MILWAUKEE, WI 53202-5367



\*101926649A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/11/2001

REEL/FRAME: 012392/0298  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
LUKANC, TODD P.

DOC DATE: 12/05/2001

ASSIGNOR:  
SPENCE, CHRISTOPHER A.

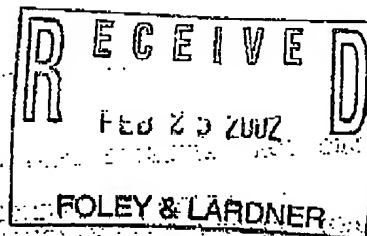
DOC DATE: 12/07/2001

ASSIGNEE:  
ADVANCED MICRO DEVICES, INC.  
1160 KERN AVENUE  
SUNNYVALE, CALIFORNIA 94088

SERIAL NUMBER: 10016439  
PATENT NUMBER:

FILING DATE: 12/11/2001  
ISSUE DATE:

STEVEN POST, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS



APPENDIX A

2/26/02



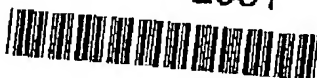
12-28-2001

U.S. Dkt. No. 039153-0447 (G1152)

FORM PTO-1595 (modified)

(Rev 6-93)

RE



SHEET

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

101926649

To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copies thereof.

## 1. Name of conveying party(ies):

Todd P. Lukanc  
Christopher A. Spence

mds  
12/11/01

## 2. Name and address of receiving party(ies):

Advanced Micro Devices, Inc.  
1160 Kern Avenue  
Sunnyvale, CA 94088



Additional conveying party(ies)

NO

## 3. Nature of conveyance:

ASSIGNMENT

Execution Date:

12/5/2001 &amp; 12/7/2001 Respectively

Additional name(s) &amp; address(es) attached? NO

## 4. Application number(s) or patent number(s):

If this is being filed together with a new application, the execution date of the application is: 12/05/2001 & 12/7/2001 Respectively

A. Patent Application Number(s):

10016439

B. Patent Number(s):

Additional numbers attached? NO

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Paul S. Hunter  
FOLEY & LARDNER  
Firststar Center  
777 East Wisconsin Avenue  
Milwaukee, Wisconsin 53202-5367

## 6. Total number of applications/patents involved: 1

7. Total fee (37 C.F.R. § 3.41): \$40.00

☒ Check Enclosed

Charge to deposit account

8. Deposit account number: 06-1447

DO NOT USE THIS SPACE

## 9. Statement and signature:

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. The Commissioner is hereby authorized to charge any additional recordation fees which may be required in this matter to the above identified deposit account.

Paul S. Hunter

Name of person signing

Signature

Dec. 11, 2001

Date

Total number of pages including cover sheet, attachments, and document: 4

12/27/2001 14:58:01 00000073-10016439

01 FC:581

40.00 OP

Atty. Dkt. No. 039153-0447 (G1152)

**ASSIGNMENT AND AGREEMENT**

**WHEREAS**, Todd P. Lukanc of 1217 Rockhaven Drive, San Jose, CA 95120 and Christopher A. Spence of 1145 Andover Drive, Sunnyvale, CA 94087; (hereinafter referred to singly and collectively as "ASSIGNOR") have invented a certain invention entitled **METHOD OF EXTENDING THE AREAS OF CLEAR FIELD PHASE SHIFT GENERATION** (Atty. Dkt. No. 039153-0447 (G1152)) for which an application for United States Letters Patent was executed by ASSIGNOR concurrently herewith; and

**WHEREAS**, Advanced Micro Devices, Inc., a corporation duly organized and existing under the laws of the State of Delaware; and having its principal place of business at 1160 Kern Avenue, Sunnyvale, CA 94088 (hereinafter referred to as "ASSIGNEE") is desirous of acquiring the entire interest therein;

**NOW THEREFORE**, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto ASSIGNEE, its successors and assigns, the full and exclusive right, title, and interest in and to (a) the above-identified invention or inventions and all improvements and modifications thereof, (b) the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto for the above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the International Convention and any other international agreement to which the United States adheres; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

**ASSIGNOR HEREBY AUTHORIZES AND REQUESTS** the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

**ASSIGNOR HEREBY AGREES** (a) to communicate to ASSIGNEE, its successors and assigns, or their representatives or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper

Atty. Dkt. No. 039153-0447 (G1152)

title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

**ASSIGNOR HEREBY REPRESENTS AND WARRANTS** that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

**ASSIGNOR HEREBY GRANTS** to the law firm of **Foley & Lardner** the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

**ASSIGNOR UNDERSTANDS AND AGREES** that the attorneys and agents of the law firm of **Foley & Lardner** do not personally represent ASSIGNOR or ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

Executed this 05 day of Dec, 2001.



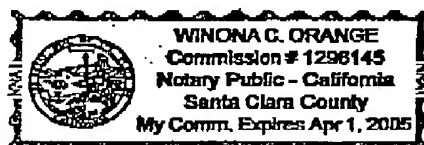
TODD P. LUKANC

State of California  
County of Santa Clara

On this 5<sup>th</sup> day of Dec, 2001, before me, a notary public in and for said county, appeared TODD P. LUKANC, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and he/she acknowledged that he/she signed, sealed, and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth.

  
Notary PublicMy Commission Expires: 04/01/05

(Seal)



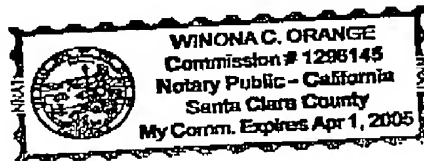
Atty. Dkt. No. 039153-0447 (G1152)

Executed this 07 day of Dec, 2001.State of California  
County of Santa Clara ) ss.CAS  
CHRISTOPHER A. SPENCE

On this 7<sup>th</sup> day of DEC, 2001, before me, a notary public in and for said county, appeared CHRISTOPHER A. SPENCE, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and he/she acknowledged that he/she signed, sealed, and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth.

Winona C. Orange  
Notary PublicMy Commission Expires: 04/01/05

(Seal)



39153/448  
RCH

FEBRUARY 13, 2002

PTAS

Under Secretary of Commerce For Intellectual Property and  
Director of the United States Patent and Trademark Office  
Washington, DC 20231  
www.uspto.govFOLEY & LARDNER  
PAUL S. HUNTER  
FIRSTAR CENTER  
777 E. WISCONSIN AVE.  
MILWAUKEE, WI 53202-5367

\*101927181A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/11/2001

REEL/FRAME: 012389/0107  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

## ASSIGNOR:

LUKANC, TODD P.

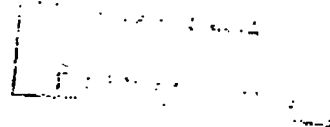
DOC DATE: 12/05/2001

## ASSIGNOR:

SPENCE, CHRISTOPHER A.

DOC DATE: 12/07/2001

## ASSIGNEE:

ADVANCED MICRO DEVICES, INC.  
1160 KERN AVENUE  
SUNNYVALE, CALIFORNIA 94088SERIAL NUMBER: 10016710  
PATENT NUMBER:FILING DATE: 12/11/2001  
ISSUE DATE:SHARON BROOKS, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

APPENDIX B

2/16/02  
JH

12-28-2001

y. Dkt. No. 039153-0448 (G1153)

FORM PTO-1595 (modified)

(Rev. 8-93)



101927181

ER SHEET

Y

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copies thereof.

## 1. Name of conveying party(ies):

Todd P. Lukanc  
Christopher A. Spence

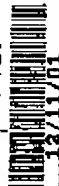
12-11-01

## 2. Name and address of receiving party(ies):

Advanced Micro Devices, Inc.  
1160 Kern Avenue  
Sunnyvale, CA 94088

11050 U.S. PTO

10/016710



Additional conveying party(ies) NO

## 3. Nature of conveyance:

ASSIGNMENT

Execution Date:

12/05/2001 &amp; 12/07/2001 Respectively

Additional name(s) &amp; address(es) attached? NO

## 4. Application number(s) or patent number(s):

If this is being filed together with a new application, the execution date of the application is: 12/05/2001 & 12/07/2001 Respectively

10,016710

A. Patent Application Number(s):

B. Patent Number(s):

Additional numbers attached? NO

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Paul S. Hunter  
FOLEY & LARDNER  
Firststar Center  
777 East Wisconsin Avenue  
Milwaukee, Wisconsin 53202-5367

12/27/2001 BYRNE 0000043 10016710

01 FC:581

40.00 CP

## 6. Total number of applications/patents involved: 1

7. Total fee (37 C.F.R. § 3.41): \$40.00

☒ Check Enclosed

Charge to deposit account

8. Deposit account number: 06-1447

DO NOT USE THIS SPACE

## Statement and signature:

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. The Commissioner is hereby authorized to charge any additional recordation fees which may be required in this matter to the above-identified deposit account.

Paul S. Hunter

Name of person signing

Signature

Dec 11, 2001

Date

Total number of pages including cover sheet, attachments, and document: 4

001.1132000.1

Atty. Dkt. No. 039153-0448 (G1153)

**ASSIGNMENT AND AGREEMENT**

**WHEREAS**, Todd P. Lukanc of 1217 Rockhaven Drive, San Jose, CA 95120 and Christopher A. Spence of 1145 Andover Drive, Sunnyvale, CA 94087; (hereinafter referred to singly and collectively as "ASSIGNOR") have invented a certain invention entitled **METHOD OF ENHANCING CLEAR FIELD PHASE SHIFT MASKS WITH CHROME BORDER AROUND PHASE 180 REGIONS** (Atty. Dkt. No. 039153-0448 (G1153)) for which an application for United States Letters Patent was executed by ASSIGNOR concurrently herewith; and

**WHEREAS**, Advanced Micro Devices, Inc., a corporation duly organized and existing under the laws of the State of Delaware, and having its principal place of business at 1160 Kern Avenue, Sunnyvale, CA 94088 (hereinafter referred to as "ASSIGNEE") is desirous of acquiring the entire interest therein;

**NOW THEREFORE**, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto ASSIGNEE, its successors and assigns, the full and exclusive right, title, and interest in and to (a) the above-identified invention or inventions and all improvements and modifications thereof, (b) the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto for the above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the International Convention and any other international agreement to which the United States adheres; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

**ASSIGNOR HEREBY AUTHORIZES AND REQUESTS** the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

**ASSIGNOR HEREBY AGREES** (a) to communicate to ASSIGNEE, its successors and assigns, or their representatives or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper

Atty. Dkt. No. 039153-0448 (G1153)

title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

**ASSIGNOR HEREBY REPRESENTS AND WARRANTS** that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

**ASSIGNOR HEREBY GRANTS** to the law firm of **Foley & Lardner** the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

**ASSIGNOR UNDERSTANDS AND AGREES** that the attorneys and agents of the law firm of **Foley & Lardner** do not personally represent ASSIGNOR or ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

Executed this 05 day of Dec., 2001.

Todd P. Lukanc  
TODD P. LUKANC

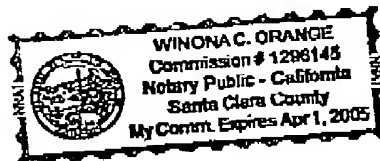
State of California  
County of Santa Clara ) ss.

On this 5<sup>th</sup> day of Dec., 2001, before me, a notary public in and for said county, appeared TODD P. LUKANC, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and he/she acknowledged that he/she signed, sealed, and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth.

Winona C. Orange  
Notary Public

My Commission Expires: 04/01/05

(Seal)



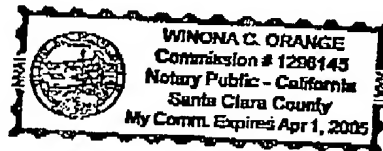


Atty. Dkt. No. 039153-0448 (G1153)

Executed this 07 day of Dec, 2001.State of California,  
County of Santa Clara, ss.CAK  
CHRISTOPHER A. SPENCE

On this 7th day of Dec, 2001, before me, a notary public in and for said county, appeared CHRISTOPHER A. SPENCE, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and he ~~she~~ acknowledged that he ~~she~~ signed, sealed, and delivered the said instrument as his ~~her~~ free and voluntary act for the uses and purposes therein set forth.

(Seal)

Winona C. Orange  
Notary Public  
My Commission Expires: 04/01/05